

begin on Saturday, February 10. Anyone interested and who wishes further information can obtain it by calling 221-5100, Extension 21, and ask for Ken Lucas.

Also, those interested in the course in Taxidermy (see NEWSLETTER January 1973) are reminded that it does not begin until February 17 and you can still sign for it.

By way of further celebrating
Nicolaus Copernicus' 500th birthday, Bay Area members of the CAS are invited to a free lecture in Morrison Auditorium on Monday evening, February 19, eight o'clock. The featured speaker will be Dr. George O. Abell, professor of astronomy and chairman of the department, University of California, Los Angeles. His topic: "Copernicus and Beyond — From a Revolving Earth to an Expanding Universe." Dr. Abell is the author of "Exploration of the Universe", probably the most widely used college astronomy text in print today.



December 31, 1972, marked the final and farewell appearance of Mr. Hubert J. Bernhard as lecturer in Morrison Planetarium. Mr. Bernhard first took the position at the complicated console in the Theatre of the Stars in February 1953. In the twenty-year interim he has manipulated the great star projector and guided his audiences through some 3000 performances, and that, we will agree, is an admirable record. Known for his easy and persuasive style, Hugh has an excellent reputation among planetarium buffs who attend only those performances under his aegis.

We congratulate you, good Academy friend, on a twenty-year hit performance, rue the fact that you are leaving us, but understand, as you put it in your own words, "It is high time I started spending Sundays with my dear wife!" Vive valeque!

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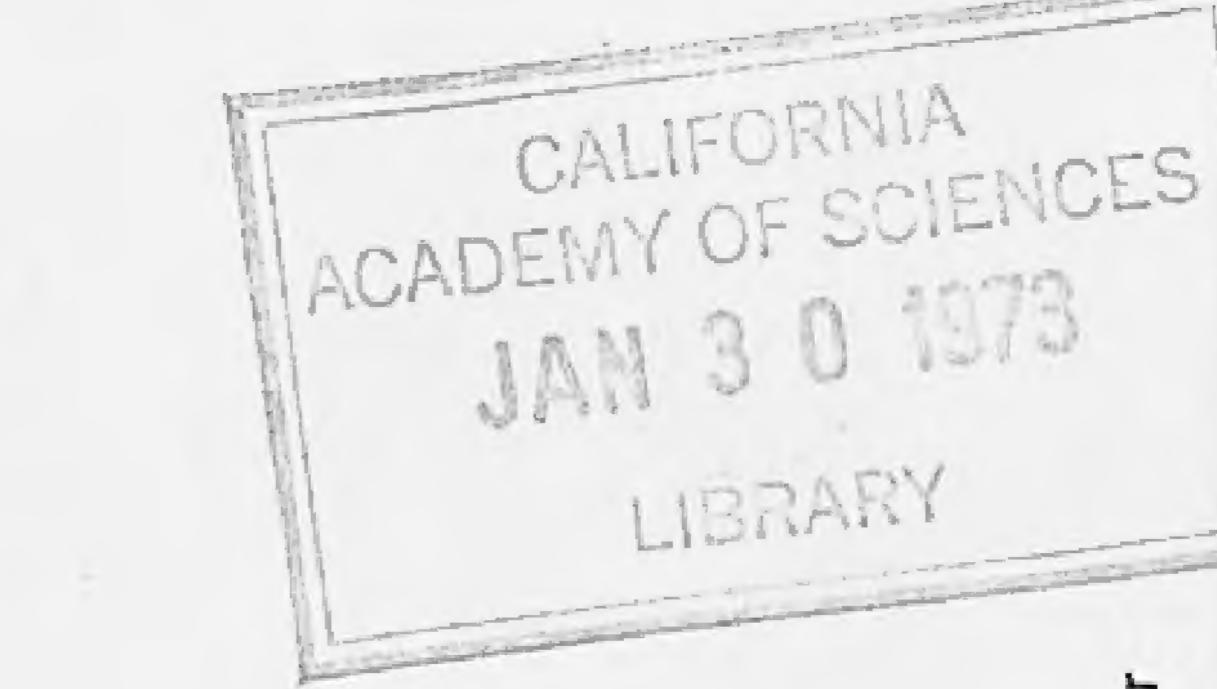
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**ACADEMY
NEWSLETTER**



FEBRUARY

AT THE
CALIFORNIA ACADEMY OF SCIENCES

FEBRUARY MEETINGS

Dates & Matinee, 2:30 p.m., Wednesday
Times: February 14

Evenings, 8:00 p.m., Wednesday
and Thursday, February 14-15

Place: May Treat Morrison Auditorium
Subject: "CAJITITLAN"

Cajititlan, a highland mestizo village 20 miles from Guadlajara in west central Mexico, was an Indian village a thousand years before the great city was founded. In this ancient spot, Harry Atwood has made a poetic documentary which is evocative of the majestic beauty of the land and its people. It centers about a boy, Cornelio, and his family and neighbors during the course of two days. From the fishermen at dawn on Saturday until Mass and fiesta on Sundays afternoon, the film provides an intimate view of an old, but now changing way of life.

The traditional occupations — fishing, herding, farming — in a rich land with ample water nevertheless have never changed the equally traditional poverty of the villagers. But a mood of contentment persists — an appreciation of small pleasures in this lovely land of lake and mountains.

Of particular note are the monuments designed by the Franciscans who first brought the Christian ethic to the Indians; a 17th century baroque church; Franciscan chapels of the 18th century; and, finally, the old carvings of the Christ story made by the Indians in their marvelously rough and vigorous style.

Three presentations as indicated and your membership card is your admission. For the matinee performance, present it to the door attendant at the entrance to Cowell Hall. You will be asked to present it once again at the auditorium entrance.

One way of ingress only for the evening meetings: through the main entrance of Cowell Hall. The rear planetarium door is no longer being kept open for the monthly meetings.

MORRISON PLANETARIUM

"500 REVOLUTIONS" continues in the Theatre of the Stars through February 25. This show celebrates the 500th birthday of the great Polish astronomer, Nicolaus Copernicus, regarded as the founder of modern astronomy in establishing theory that earth rotates daily on its axis and that planets revolve in orbits around the sun.

Performances daily at two, with evening shows, Wednesday through Sunday, at eight. Extra matinees on Saturdays, Sundays and holidays at 3:30. Closed on Monday and Tuesday nights. Admission is one dollar for those 18 and over and half price for those 17 and under.

SPECIAL EXHIBITS

"NATURE CLOSE-UP", color photographs by Bernard Blake, are on display in the Lower Gallery, Cowell Hall, through the month of March.

"ANTIQUE BOTANY PRINTS", hand-colored treasures from the Academy's Picture Collection. Continues also through the month of March in the Hohfeld Gallery adjacent the Hall of Space Science.

"MAN AND NATURE (As interpreted by the Indians of North America)". Lovell White Hall.

"GALAPAGOS". Cowell Hall.

News and Notes

Something so exciting is about to explode on the Academy scene that it takes one's breath away. It is cause for huzzahs and hats-in-the-air and the membership can now be apprised of what is about to happen.

To further enhance our complex of buildings in Golden Gate Park, the rear of the Academy off Middle Drive is about to undergo extensive changes, changes that have been evolving for considerable time.

Now, through the careful planning, coordination and effort on the part of everyone concerned, they will come to pass in the not-too-distant future. In a sense, the imminent changes are a "squaring off" of the Academy rectangle as seen from a birds'-eye view. The actual space involved is presently devoted to such utilitarian things as staff parking and service roads. Thus, the new additions and alterations will not en-

croach upon Golden Gate Park whatsoever. What's more, the present area as it now is being something less than beautiful, the changes will improve not only the Academy itself but the park too. Staff parking and surface service roads will go underground where they belong, and rising on top of them will be structures completely in harmony with the Academy and the surrounding geography. Here is what is planned:

First: A Hall of Anthropology, the need for which has been evident to Academy planners for decades and an integral part of the Master Plan. It will be a three story structure (no higher than any present building). The main exhibit area and public hall will tell the story of Man: where he came from; his diversity and similarities; his cultures; and his behavior. The two upper floors of the new building will be occupied by the Departments of Entomology and Botany who are and have been sorely in need of space. The areas they presently occupy will be released for the expansion of other research departments including the Junior Academy.

A gift of one million dollars toward the construction of this hall was announced in January. The generous benefaction came from the Paul L. and Phyllis Wattis Foundation and its bestowal was made public jointly by Mrs. Wattis, the Foundation's President, and E. Morris Cox, Chairman of the Board of Trustees. The total cost of the project is \$3 million and this initial gift is a vital first step toward raising the balance and realization. The Board of Trustees has agreed that an initial \$1½ million must be raised to add to present endowment funds in order to maintain the new building. Thus, the total moneys involved will be \$4½ million, all of which will come from private sources. No tax money whatsoever is involved. The hall will be called the "Paul L. Wattis Hall of Anthropology".

Secondly: Steinhart Aquarium, as beautiful as it is, is going to be even more so. Soon to be added is a "Fish Roundabout" — unique, exciting, and the like of which can now only be found in Japan. It will be a highly contemporary concept of presenting fishes to the viewing public. Fish will be seen "in the round" in a 120,000 gallon, doughnut-shaped tank offering a view not unlike that seen by scuba divers when they submerge. The marine occupants will be fast moving ones, such as

yellow-tail, mackerel and dogfish — and some larger fish such as tuna — seldom seen in aquaria. One will be able to watch them school and race in an environment totally different from anything Steinhart has offered before.

This fine gift to the people of San Francisco is made possible by a grant of \$600,000 from the Marie Luise (Meyer) Graham Charitable Foundation of which Trustee Member Wilson Meyer is president. It will be dedicated to George H. C. Meyer (1860-1928), father of Wilson and Marie Luise Meyer Graham. When completed, the "Roundabout" will be the only one of its kind in the United States and certainly an elegant addition to the marvels the aquarium already offers.

Thus the changes at the rear of the Academy will add beauty, life and sparkle to an already glittering complex. The surrounding garden areas will be enhanced considerably. The plans, approved heartily by both the San Francisco Art Commission and the Recreation and Park Department, have been described by the first as being "architecture and landscape . . . married into a composition of striking interest and beauty."

All of the present Academy buildings were built with private funds as will be the new ones. On completion, as with the others, the Hall of Anthropology and the aquarium's "Roundabout" will be given, with a sincere sense of pride, to the city of San Francisco.

TRAVEL REMINDER: Space is still available on the waiting list for the Academy's trip to the Galapagos Islands (including the pre-tour to Peru and Bolivia) July 31-August 16, 1973.

For further information call GULLIVER'S TRAVELS at 346-4400.

Boats-Not-To-Be-Missed Department: The Junior Academy will be offering four courses in its spring semester beginning February 10th. They are:

- (1) Freshwater Life
- (2) Animals Without Backbones
- (3) Processes in the Earth (An introduction to physical geology).
- (4) The Geography of Plants and Animals.

Registration for the above will occur Saturday, February 3 in the Junior Academy, ten a.m. until four p.m., and classes will actually